suppforcing/cmap ...

hirokok 3 posts since

Sep 20, 2007 Hi LIS team,

It looks like something is not working with the CMAP option. I see vertical stripes in the rainf and snowf fields when I run global domain--the same configuration as the test case except for expanded to global domain--(see figure "rainf_glb.gif"). The test case outputs have the stripes as well, but it is hard to see since the test case is a small subset region (see figure "rainf_testcase.gif"). Please help identify and fix the problem.

Thanks!

Hiroko **Attachments:**

- rainf_glb.gif (52.1 K)

- rainf_testcase.gif (56.1 K)

Tags: suppforcing, lis, cmap

sujay *118 posts since*
Sep 20, 2007 1. **Re: suppforcing/cmap** May 15, 2008 8:53 PM

Hiroko,

I repeated the case on discover and I am not able to replicate the error. Can you specify which platform/compiler you are using? May be there is an error in the grib library?

-S

hirokok *3 posts since*
Sep 20, 2007 2. **Re: suppforcing/cmap** May 16, 2008 9:50 AM

in response to: sujay

HI Sujay,

Thanks for looking into this. I am using Linux with Absoft 10.0 compiler (single procesor). I outputted the input field that was read in LIS, and it looks okay, so GRIB lib seems to be working fine. The problem is in the interpolated field after call to 'interp_cmap'. Since you don't see this problem, it's probably specific to my platfor/compiler, but it's odd that I never had problem like this before. I will keep looking into this.

Thanks,

Hiroko

hirokok *3 posts since*
Sep 20, 2007 3. **Re: suppforcing/cmap** May 30, 2008 5:18 PM

Hi Sujay,

suppforcing/cmap ...

I forgot to report back that I found the problem that caused the bad precipitation field on my platform (32-bit Linux, with Absoft 10.0).

gridDesci(20) needs to be set to 0 instead of 255 for the CMAP grid period 2000-2002 in getcmap.F90 (line 167).

Also, close(10) statement in glbprecip_cmap.F90 (line 127) should be removed, so we get the logs in lisdiag.* file.

Thanks for your help!

Hiroko

sujay *118 posts since*
Sep 20, 2007 4. **Re: suppforcing/cmap** Jun 1, 2008 8:02 PM

   in response to: hirokok Thanks Hiroko,

The changes you suggested have been committed to the repository.

-S